

## STATUS OF CLAIMS

1. (Cancelled)
2. (Previously Amended) The method as claimed in claim 33 wherein the fluid is selected from the group consisting essentially of
  - (i) oil and water,
  - (ii) gas and water,
  - (iii) a combination of oil and gas and water.
- 3 - 9. (Cancelled)
10. (Previously Amended) A method as claimed in claim 33 wherein the polymer has a molecular weight of at least 5000 Daltons.
11. (Cancelled)
12. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the association is the immobilization of the polymer on the surface of the solid particle.
13. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the association is the solid particle embedded in the polymer.
14. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is silica.
15. (Original) A method as claimed in claim 14 wherein the silica is fumed.
16. (Original) A method as claimed in claim 14 wherein the silica is precipitated.
17. (Original) A method as claimed in claim 14 wherein the silica is a silica gel.
18. (Original) A method as claimed in claim 14 wherein the silica is dispersed.
19. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is diatomaceous earth.

20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is clay.
24. (Currently amended) A method as claimed in claim 11 33 wherein the solid particle is porous.
25. (Currently amended) A method as claimed in claim 11 33 wherein the solid particle is nonporous.
26. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is hydrophobic.
27. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is hydrophilic.
28. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is a nano particle.
29. (Currently amended) A method as claimed in claim ~~11~~ 33 wherein the solid particle is a macro particle.
30. (Currently amended) A method as claimed in claim 11 33 wherein the solid particle is a micro particle.
31. (Cancelled)
32. (Cancelled)
33. (Currently amended) A method of controlling the formation of crystalline hydrates in a fluid system, said method comprising contacting the fluid with a chelating polymer capable of interacting with charged gaseous molecules, said chelating polymer being associated with a solid particle, said chelating polymer being capable of scavenging for the gaseous molecules thereby encouraging hydrate structures to form within the embodiment of the polymer substrate structure, said chelating polymer being a hyperbranched polyamino polymer.
34. (Cancelled)
35. (Cancelled)